



Oxygen and life support

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894 Series Portable Oxygen System



The AVOX Systems 894 Series Portable provides a regulated 70 +/- 10 psig outlet pressure of oxygen from high pressure oxygen in a DOT approved steel or Kevlar® composite cylinder. This portable will supply oxygen in conjunction with a mask-mounted demand regulator for crew member use.

This assembly can be purchased with or without AVOX Systems 289 Series TSO C64a mask assemblies. This unit can also be configured to supply constant flow oxygen to one or two crew members and/or passengers for supplementary or first aid use.

The AVOX Systems 894 Series Portable can be configured with DOT approved cylinders in a size range of 7.15 to 40 cubic foot capacities to meet a wide range of your oxygen supply or mission needs.

ACCESSORIES



Accessories	Part No.	Description
Filler Coupling	5020-01	Filler coupling connects unit with standard source of oxygen for refilling.
Airline Passenger Masks	289-601 Series 289-701 Series 289-801 Series	Passenger masks for airline and executive aircraft.
Bracket Assembly	36758-11 Cradle 36758-12 Latch Lock	Lightweight assembly designed to secure 4.25 to 11.0 cu. ft. portable oxygen cylinders. (Others available – contact AVOX Systems)

WARNING

IMPROPER USE OR IMPROPER MAINTENANCE OF THIS EQUIPMENT MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

THIS EQUIPMENT IS INTENDED TO BE USED ONLY FOR AVIATION APPLICATIONS AND IS TO BE USED ONLY BY, OR UNDER THE SUPERVISION OF, A PILOT OR CREW MEMBER TRAINED AND QUALIFIED IN ITS USE.

THIS EQUIPMENT IS TO BE SERVICED ONLY IN ACCORDANCE WITH THE APPLICABLE COMPONENT MAINTENANCE MANUAL AVAILABLE FROM AVOX

SYSTEMS AND ONLY BY SERVICE TECHNICIANS TRAINED IN THE INHERENT HAZARDS OF HIGH PRESSURE AVIATION OXYGEN AND KNOWLEDGEABLE IN THIS EQUIPMENT.

THE NAMES OF AUTHORIZED SERVICE CENTERS ARE AVAILABLE FROM AVOX SYSTEMS OR YOUR AUTHORIZED AVOX SYSTEMS DISTRIBUTOR. THIS EQUIPMENT SHALL BE USED ONLY WITH AVIATOR'S BREATHING OXYGEN MEETING THE REQUIREMENTS OF MIL-PRF-27210.



AVOX Systems

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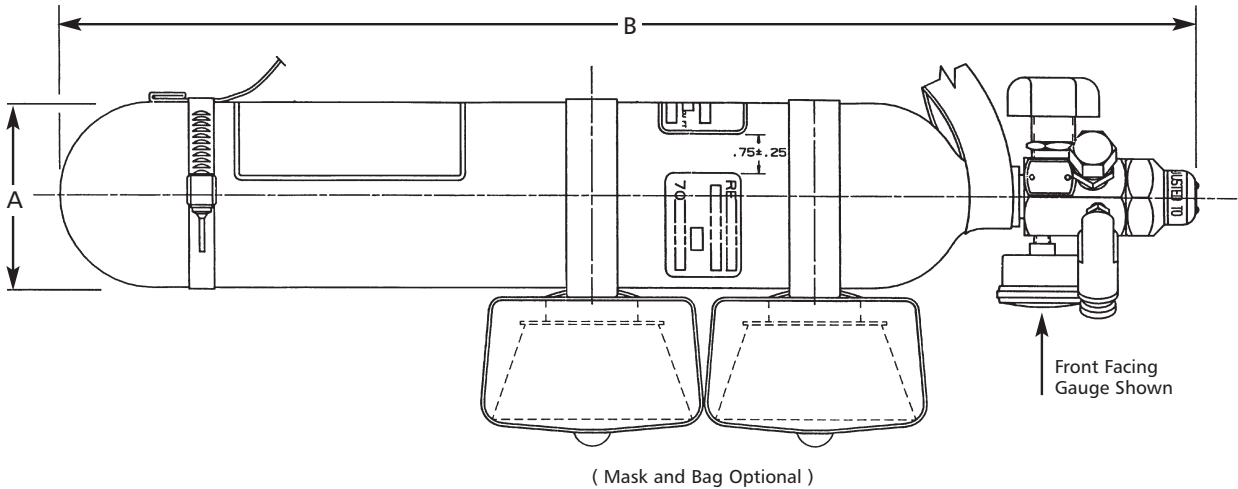
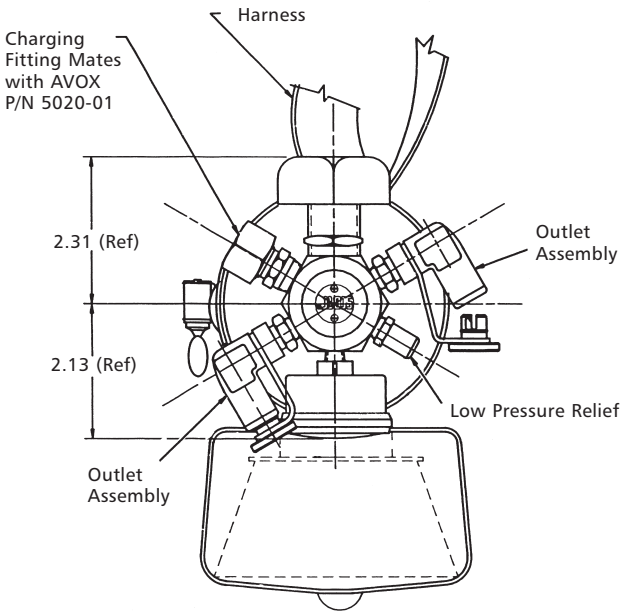
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OUTSTANDING FEATURES

- DOT 3AA-1800 rated steel oxygen cylinders ranging from 7.15 to 22 cubic foot capacities
- DOT E-8162-1850 rated Kevlar® composite cylinder with 40 cubic foot capacity
- One or two flow outlets
- Low pressure relief valve protection for the regulated outlet supply
- High pressure safety relief device
- Pressure gauge to indicate level of cylinder supply
- Cylinder mounted regulator
- Sling type carry strap

Dimensions			
Cylinder Capacity cu. ft. (liters)	Weight Charged (Cylinder & Regulator Only)	Dim. A	Dim. B
7.15 (202)	7.19 lbs. / 3.26 kg	3-9/16	17.10
11.0 (311)	9.50 lbs. / 4.31 kg	3-9/16	22.60
22.0 (623)	15.32 lbs. / 6.95 kg	5-1/4	22.60
39.9 (1130)*	12.12 lbs. / 5.50 kg	6-11/16	24.40
*Composite cylinders DOT E-8162-1850 NOTE: All dimensions above are in inches			



Basic Number 894 –

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Cylinder and Regulator Configurations		Outlet Assembly Configurations		Mask & Bag Assembly Configurations	
2	5500R6A 11 cu. ft. 3AA-1800 cylinder Has a "side" facing gauge	2	802863-04 Outlet (2 each) Use with Mask & Bag Config. 2 Mates with 802039 & 802627 Connectors	0	None
3	5500C6A 11 cu. ft. 3AA-1800 cylinder Has a "front" facing gauge	3	802959-01 Outlet (2 each) Use with Mask & Bag Config. 3 Mates with 36857, 802958 & DMZ series connectors	2	802876-01 Mask & Bag Assembly (2 each) Mates with Outlet Config. 2 Each assembly is made up of: <ul style="list-style-type: none">• 1 ea. 289-601-211-2 mask• 1 ea. 802039-04 metered connector• 1 ea. 801809-01 bag• 1 ea. 36879-01 fastener, velstrap
4	5500B6A 7.15 cu. ft. 3AA-1800 cylinder Has a "front" facing gauge	4	36728-01 Outlet (1 each) Use with Mask & Bag Config. 3 Mates with 36857, 802958 & DMZ series connectors	3	802876-02 Mask & Bag Assembly Mates with Outlet Config. 3 or 4 Outlet Config. 3 with 2 each mask assembly Outlet Config. 4 with 1 each mask assembly Each assembly is made up of: <ul style="list-style-type: none">• 1 ea. 289-601-211-2 mask• 1 ea. 802958-01 metered connector• 1 ea. 801809-01 bag• 1 ea. 36879-01 fastener, velstrap
5	5500D6A 22.0 cu. ft. 3AA-1800 cylinder Has a "front" facing gauge				
6	5500V2X 40 cu. ft. composite DOT E-8162-1850 cylinder Has a "front" facing gauge				

ORDERING INFORMATION

The 894 designation is a basic model. The chart above illustrates the combinations that are currently available. To order, fill in the necessary building block numbers needed to indicate the complete part number of the configuration you want.

Other sizes and configurations not listed are being added and may also be available. If you do not see the size you need, contact AVOX Systems or your local AVOX Systems authorized distributor for additional solutions.

For further information regarding cylinders, outlets, masks, etc., see the appropriate AVOX Systems catalog sheet.